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🏠 CS-E4730

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CS-E4730 / 1. Week: Introduction to CSS / 1.2 Exercise: Friendship paradox

Exercise: Friendship paradox

Points **30 / 30**   My submissions **3 / 99** ▾   🕐 Deadline Friday, 3 March 2023, 19:00
👤 To be submitted alone

⚠ The deadline for the assignment has passed (Wednesday, 15 March 2023, 19:00).

Complete the code

For this first round we would like you to get to know JupyterLab and the A+ platform that will be used in this course for the exercises. If your Python skills are a bit rusty you will also get to practice them a bit in this round, and you will get to use NetworkX that will be used in the social network analysis round. The actual exercise is related to exploring the "friendship paradox" computationally.

We have prepared for you a code template of the friendship paradox exercise in a Jupyter notebook file friendshipparadox.ipynb . In this exercise, you need to fill in the missing parts of the code, namely two functions in the notebook, following the instructions in the notebook. If you would like to import any packages, please remember to do so inside the body of the functions you are supposed to implement.

You can work with a Jupyter notebook file on https://jupyter.cs.aalto.fi/ following these steps:

1. Log in with your Aalto credentials
2. Start a server under the `CS-E4730 Computational Social Science (2023)` option
3. Upload the notebook file to your working directory
4. Open the notebook file and start working

After completing the exercise, download the revised notebook and upload it to the submission box below, click `Submit`, and you will see if your code passes all the tests. If not, you should see error messages that tell you what you have implemented incorrectly. You can submit the file multiple times (max. 99) until it passes all the tests.

📄 **friendshipparadox.ipynb**

[Choose File] No file chosen

[Submit]

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